

	Mean	Std. Dev.	Min	Max
Rioting Citizens	40.945	79.331	0	395
Quiet Citizens	839.779	132.869	598	1120
Jailed Citizens	239.276	109.425	0	465
Mean Jail Term	2.140	1.312	0	5.307
Mean Risk Aversion (C)	0.498	0.006	0.482225	0.510
Mean Hardship (C)	0.499	0.008	0.48377	0.518
Mean Grievance (C)	0.319	0.008	0.30377	0.338
Mean Net Risk (C)	0.393	0.175	0	0.509
Mean Arrest Probability (C)	0.788	0.351	0	0.999

Table 1: Descriptive Statistics of the Epstein Model

	Mean	Std. Dev.	Min	Max
Rioting Citizens	51.431	90.015	0	426
Quiet Citizens	803.098	136.219	568	1120
Jailed Citizens	267.670	110.683	0	485
Mean Jail Term	2.412	1.351	0	5.471
Mean Risk Aversion (C)	0.499	0.009	0.479	0.520
Mean Hardship (C)	0.500	0.009	0.485	0.519
Mean Grievance (C)	0.090	0.002	0.087	0.094
Mean Net Risk (C)	0.372	0.190	0	0.520
Mean Arrest Probability (C)	0.745	0.379	0	1.000
Diffusion Count	2656.480	1506.660	0	6076

Table 2: Descriptive Statistics of Neighbor Diffusion Model 20

	Mean	Std. Dev.	Min	Max
Rioting Citizens	62.614	97.594	0	458
Quiet Citizens	765.978	132.917	554	1120
Jailed Citizens	297.684	107.375	0	505
Mean Jail Term	2.715	1.350	0	5.639
Mean Risk Aversion (C)	0.498	0.011	0.481	0.528
Mean Hardship (C)	0.500	0.008	0.483	0.517
Mean Grievance (C)	0.090	0.001	0.087	0.093
Mean Net Risk (C)	0.346	0.200	0	0.528
Mean Arrest Probability (C)	0.695	0.402	0	1.000
Diffusion Count	6402.140	3624.160	0	13976

Table 3: Descriptive Statistics of Neighbor Diffusion Model 30

	Mean	Std. Dev.	Min	Max
Rioting Citizens	83.879	110.129	0	510
Quiet Citizens	710.553	129.449	522	1120
Jailed Citizens	341.133	104.237	0	532
Mean Jail Term	3.166	1.351	0	5.854
Mean Risk Aversion (C)	0.499	0.008	0.473	0.510
Mean Hardship (C)	0.500	0.007	0.481	0.516
Mean Grievance (C)	0.090	0.001	0.087	0.093
Mean Net Risk (C)	0.304	0.214	0	0.510
Mean Arrest Probability (C)	0.609	0.428	0	1.000
Diffusion Count	12621.400	7095.530	0	28465

Table 4: Descriptive Statistics of Neighbor Diffusion Model 40

	Mean	Std. Dev.	Min	Max
Rioting Citizens	53.891	97.424	0	481
Quiet Citizens	787.240	154.117	527	1120
Jailed Citizens	278.870	124.839	0	533
Mean Jail Term	2.497	1.485	0	5.932
Mean Risk Aversion (C)	0.500	0.011	0.477	0.522
Mean Hardship (C)	0.499	0.008	0.481	0.521
Mean Grievance (C)	0.090	0.001	0.087	0.094
Mean Net Risk (C)	0.374	0.195	0	0.522
Mean Arrest Probability (C)	0.747	0.390	0	1.000
Jump Count	6043.010	3399.870	0	13631

Table 5: Descriptive Statistics of Neighbor Jump Model 20

	Mean	Std. Dev.	Min	Max
Rioting Citizens	60.809	104.988	0	478
Quiet Citizens	758.281	162.627	502	1120
Jailed Citizens	300.910	130.820	0	554
Mean Jail Term	2.692	1.546	0	6.124
Mean Risk Aversion (C)	0.501	0.009	0.484	0.529
Mean Hardship (C)	0.500	0.008	0.482	0.511
Mean Grievance (C)	0.090	0.001	0.087	0.092
Mean Net Risk (C)	0.362	0.204	0	0.529
Mean Arrest Probability (C)	0.723	0.406	0	1.000
Jump Count	9611.830	5460.850	0	21173

Table 6: Descriptive Statistics of Neighbor Jump Model 30

	Mean	Std. Dev.	Min	Max
Rioting Citizens	68.096	113.796	0	517
Quiet Citizens	733.489	172.282	465	1120
Jailed Citizens	318.415	138.130	0	582
Mean Jail Term	2.848	1.624	0	6.505
Mean Risk Aversion (C)	0.497	0.009	0.481	0.516
Mean Hardship (C)	0.499	0.007	0.486	0.515
Mean Grievance (C)	0.090	0.001	0.087	0.093
Mean Net Risk (C)	0.350	0.208	0	0.516
Mean Arrest Probability (C)	0.704	0.418	0	1.000
Jump Count	13622.200	7672.180	0	30070

Table 7: Descriptive Statistics of Neighbor Jump Model

	Mean	Std. Dev.	Min	Max
Rioting Citizens	126.090	136.437	0	603
Quiet Citizens	598.173	149.176	385	1120
Jailed Citizens	423.496	121.830	0	646
Mean Jail Term	3.964	1.528	0	6.623
Mean Risk Aversion (C)	0.503	0.008	0.484	0.522
Mean Hardship (C)	0.497	0.009	0.477	0.514
Mean Grievance (C)	0.090	0.002	0.086	0.093
Mean Net Risk (C)	0.243	0.229	0	0.522
Mean Arrest Probability (C)	0.483	0.454	0	1.000
Diffusion Count	14070.600	7938.460	0	31255
Jump Count	17326.900	9712.220	0	38719

Table 8: Descriptive Statistics of Neighbor Jump and Diffusion Model

	Mean	Std. Dev.	Min	Max
Quiet Police	27.274	18.182	0	64
Arresting Police	36.726	18.182	0	64
Mean Risk Aversion (P)	0.247	0.018	0.215	0.291
Mean Hardship (P)	0.254	0.018	0.213	0.303
Mean Incentive (P)	0.395	0.153	0.060	0.645
Mean Net Risk (P)	0.247	0.020	0	0.291
Mean Decision Formula (P)	0.148	0.155	-0.225	0.645
Rioting Citizens	366.237	302.226	0	1013
Quiet Citizens	360.306	205.297	107	1120
Jailed Citizens	393.457	179.941	0	717
Mean Jail Term	3.512	1.663	0	6.713
Mean Risk Aversion (C)	0.501	0.008	0.486	0.521
Mean Hardship (C)	0.499	0.009	0.477	0.515
Mean Grievance (C)	0.236	0.102	0.086	0.473
Mean Net Risk (C)	0.091	0.169	0	0.521
Mean Decision Formula (C)	0.145	0.244	-0.429	0.473
Mean Arrest Probability (C)	0.182	0.337	0	1.000
Government Legitimacy	0.528	0.204	0.082	0.820

Table 9: Descriptive Statistics of Police and Citizen Behavior Model

	Mean Cycle
Epstein Model	4.652
Diffusion Model (20)	5.582
Diffusion Model (30)	6.666
Diffusion Model (40)	8.834
Jump Model (20)	5.055
Jump Model (30)	5.409
Jump Model (40)	5.668
Diffusion and Jump Model	12.149

Table 10: Mean Cycle of Riots